



December 31, 2003

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ATTORNEY DOCKET NO.: MMI1100-1

Mail Stop PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing is the new provisional-to-utility conversion patent application of:

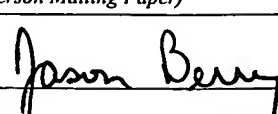
APPLICANTS : Sue K. DeNise, Richard Kerr, David Rosenfeld, Tom Holm, Stephen Bates and Dennis Fantin

TITLE : METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

Number of Pages

Cover Sheet	1
Specification	66
Claims	16
Abstract	1
Declaration – (Unsigned)	4

CERTIFICATION UNDER 37 CFR §1.10 "EXPRESS MAIL" Mailing Label Number: EV 318 740 297 US Date of Deposit: December 31, 2003	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
JASON BERRY (Name of Person Mailing Paper)	
(Signature) 	December 31, 2003 (Date)

SILICON VALLEY SAN DIEGO SAN FRANCISCO AUSTIN SEATTLE SACRAMENTO LA JOLLA WASHINGTON, DC

This request includes Three (3) sheets and the following:

- Application Data Sheet (4 pages);
- Preliminary Amendment (8 pages);
- Statement Under 37 CFR 1.821(f) (1 page);
- Verified Statement Under 37 CFR 1.821(f) (1 page);
- Two (2) CFR disks for Sequence Listing (includes duplicate);
- Two (2) CFR disks for Tables (includes duplicate); and
- Return Receipt Postcard.

This application is a provisional-to-utility application and claims the benefit under 35 USC § 119(e) of U.S. Application Serial Nos. 60/437,482 filed December 31, 2002. The disclosure of the prior application is considered part of and is incorporated by reference in the disclosure of this application.

The filing fee has been calculated as shown below: **SMALL ENTITY** status is claimed.

	Number Filed		Number Extra		Rate		Fee	
					Small Entity	Large Entity	Small Entity	Large Entity
Total Claims	34-20	=	14		\$09	\$18	=	\$126.00
Independent Claims	3-3	=	0		\$43	\$86	=	\$0.00
Multiple Dependent Claims Presented: ___ Yes <u>X</u> No					\$145	\$290		\$0.00
					BASIC FILING FEE		\$385.00	\$770.00
					SURCHARGE FEE		\$ 65.00	\$130.00
					TOTAL FEE		\$576.00	

PLEASE DEFER THE PAYMENT OF THE FILING FEE until the executed Declaration is filed. Please apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above.

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

GRAY CARY WARE & FREIDENRICH LLP
ATTORNEY DOCKET NO.: MMI1100-1
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All future correspondence should be addressed to:

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A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP

December 31, 2003

Date



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USPTO CUSTOMER NUMBER 28213

LAH/EJV:ag
Enclosures